



CITY OF SUGAR LAND

Engineering Department

CIP Project Number: SW0801

Title: Surface Water Conversion Transmission Line

Project Phase: Easement acquisition

% of Phase Completion

PER/Land

Design



Cost for this Phase: \$ 200,000 – \$500,000 (highly depends on easement negotiations)

Funding Sources: General Revenue

Project Manager: Tim Jahn

Contractor: TBD

Consultant: LAN

Project Description:

A Routing Study was performed in FY2008 to identify and recommend a route for construction of transmission pipeline and easements from the proposed Surface Water Treatment plant at Gannoway Lake to the Lakeview and First Colony Boulevard water plants. In FY2009, design will include Phase I pipeline of 20,000 LF of 36" waterline, 3,400 LF of 24" waterline, and 10,000 LF of 20" waterline. Easement and land acquisition for Phase I will commence based on results of Routing Study. PER in FY2009 will identify needed easements for Phase II.

Justification: The City must convert 30% of water usage from groundwater to surface water by 2013. Transmission lines must be constructed to bring the treated surface water from the future surface water treatment plant to the existing groundwater plants for redistribution. Phase I piping construction to begin in FY2011, while Phase II piping is expected in in FY2023.

Updates: December 2008-LAN selected for negotiations for PER Phase. Internal meeting for scope of work preparation scheduled 12/11/08. Consultant scope meeting pending. PER phase expected to begin early 2009.

March 2009 –LAN engineering PER contract approved by City Council 02/03/09. Kickoff meeting held 02/16/09. LAN underway with recommended route evaluations. Next steps will include meeting with stakeholders such as Fort Bend County Drainage District and Levee Improvement Districts.

June 2009 – Meeting with LID 2 held 5/06/09 to discuss proposed waterline routes along Ditch A. Draft PER completed May 27, 2009. Progress meeting held 6/01/09 to review report and discuss proposed water main routes. Meeting with LID 17 held 6/11/09 to discuss proposed waterline routes along Bullhead Bayou and Ditch H levee. Landmark Consulting Group has begun performing title research to assist in easement and land acquisition as needed. Next steps will include confirming pipeline and easement routes with various stakeholders prior to finalizing the PER.

July 2009- Final Preliminary Engineering Report (PER) completed by LAN. Progress meeting held with Landmark, LAN, and Tejas Surveying to initiate preparation of metes and bounds of required easements along recommended routes. Route D2 (from Surface Water Treatment Plant to Lakeview WP) County record abstracting complete and rights-of-entry obtained.

August 2009- Progress meeting held with Landmark, LAN, and Tejas Surveying 8/19/09. Route D2 (from Surface Water Treatment Plant to Lakeview WP) survey field data collected to prepare metes and bounds for this route. Route A2 (from Surface Water Treatment Plant) to First Colony WP) right-of-entry in process of being obtained by Landmark staff. Next steps will include getting appraisals along Route D2.

September 2009- Progress meeting held with Landmark, LAN, and Tejas Surveying 9/16/09. Route D2 (from Surface Water Treatment Plant to Lakeview WP) metes and bounds for this route are prepared. Route A2 (from Surface Water Treatment Plant) to First Colony WP) right-of-entry obtained for all parcels except for LID 2 and LID 7 (these LIDs require \$7,500 upfront fee before entry given). LID 17 provided right-of-entry at their 9/29/09 special board meeting. Next steps will include obtaining appraisals for parcels along route D2, and complete field survey data collection for parcels along route A2. Next progress meeting schedule October 21.

October 2009- Progress meeting held with Landmark, LAN, and Tejas Surveying 10/21/09. Route D2 (from Surface Water Treatment Plant to Lakeview WP) metes and bounds and appraisal for this route are prepared. Route A2 (from Surface Water Treatment Plant) to First Colony WP) right-of-entry obtained for all parcels including for LID 2 and LID 7. Next steps will include negotiating easements for parcels along route D2, and complete field survey data collection for parcels along route A2.

November 2009- Route D2 (from Surface Water Treatment Plant to Lakeview WP) metes and bounds and appraisal for this route are prepared and City staff moving forward with negotiations of easements. Route A2 (from Surface Water Treatment Plant) to First Colony WP right-of-entry obtained for all parcels including for LID 2 and LID 7. Easement metes and bounds are being prepared for pipeline routes within private property of Route A2. For LID 2 and Fort Bend County parcels, aerial image files of proposed routes have been prepared and submitted to appropriate government entity representative for review. Meeting held with Fort Bend County Drainage District on 11/18/09 and with TXDOT on 11/23/09. Waiting on feedback from Union Pacific Railroad crossing at US 90A and LID 2.

December 2009- Route D2 (from Surface Water Treatment Plant to Lakeview WP) metes and bounds and appraisal for Phase I route are prepared and City staff continue moving forward with negotiations of easements. For A2 route, favorable feedback provided from LID 17 and preparation of metes and bounds moving forward. For LID 2, comments received from Engineer indicate that the proposed width and alignment will need to move west to allow full usage of the drainage easement. Meeting with LID 2 engineer planned for January 2010 to discuss their concerns. For Cherokee Sugar Land, Planning Director has begun negotiations to acquire necessary easements along Hwy 6 and Voss Road. Other government negotiations such as TXDOT and Fort Bend County, Fort Bend County Drainage District and Fort Bend ISD are in process of being approached.

January 2010- Route D2 (from Surface Water Treatment Plant to Lakeview WP) easement negotiations near completion and all easements for D2 expected by early April 2010. For A2 route, we continue to move forward with obtaining easements from Fort Bend County and Fort Bend ISD, and permits from TXDOT. Easement metes and bounds were prepared and submitted to Cherokee Sugar Land, waiting on their feedback. For LID 17 easements, metes and bounds are being prepared for submittal to LID 17 attorney. For LID 2, waiting on Engineer to respond to request to meet to discuss easement alignment along Ditch H (behind Walmart) and utility bridge crossing (over Ditch H to First Colony WP). No other issues identified along A2 route.